

IN THE CLAIMS

1-64 (Canceled)

65. (Currently Amended) A self-contained security and surveillance system for detecting and processing threat emissions, comprising:

- a plurality of sensor modules for detecting threat emission data;
- a hand-held base for individually and interchangeably interfacing with the plurality of sensor modules;
- a common control module ~~processor~~ for receiving and processing the threat emission data, wherein the control module includes a control processor, an image stabilization sensor, a real-time image processing module, a video switching, decoder, encoder and format conversion module, a magnetic compass, an inclinometer, and a GPS receiver; and
- a communication link for transmitting received and processed threat emission data to a base station

wherein the ~~processor~~ control module is structured and arranged to receive and process at least one form of threat emission data, the data provided in the form of nuclear, biological, chemical and electromagnetic threat emission data, or combinations thereof, and further wherein processing of at least one form of threat emission data includes the functionalities of noise reduction, contrast enhancement, motion detection and alarm notification, image stabilization, image cropping, filtering, image compression, gain control, integration of geo-location data, digital data storage, and dynamic changes in control module menus and operations as a function of the sensor module employed.

66. (Previously Submitted) The system of claim 65, wherein at least one sensor module of the plurality of sensor modules is selected from the group consisting of: a visual light sensor module; a high performance night module; a forward looking infrared sensor module; a radio frequency (RF) probe module; an integrated nuclear, biological and chemical sensor module; and a laser range finder module.

67. (Previously Submitted) The system of claim 66, wherein the forward looking infrared sensor module is uncooled.

68. (Previously Submitted) The system of claim 66, wherein the forward looking infrared sensor module is a near-infrared module.

69. (Previously Submitted) The system of claim 66, wherein the forward looking infrared sensor module is a mid-wave infrared module.

70. (Previously Submitted) The system of claim 66, wherein the forward looking infrared sensor module is a long-wave infrared module.

71. (Previously Submitted) The system of claim 65, wherein the base station is remotely located.

72. (Previously Submitted) The system of claim 65, further comprising a remote image transceiver.

73. (Canceled)

74. (Previously Submitted) The system of claim 65, wherein the communication link is selected from a group consisting of: a wireless link and a wired link.

75. (Previously Submitted) The system of claim 65, wherein the base includes a view finder and a display screen.

76. (Previously Submitted) The system of claim 65, wherein the base includes a contained memory subsystem for storing data detected by the plurality of sensor modules.

77. (Currently Amended) A self-contained security and surveillance system for detecting and processing threat emission data, comprising:

- a hand-held receiving means for receiving and processing detected threat emission data;
- a detecting means, removably integrated with the hand-held receiving means, for detecting threat emission data; and
- a communicating means for communicating received and processed threat emission data to a base station

wherein the hand-held receiving means is structured and arranged to receive and process at least one form of threat emission data, the data provided in the form of nuclear, biological, chemical, and electromagnetic threat emission data, or combinations thereof, and further wherein processing of at least one form of threat emission data includes the functionalities of noise reduction, contrast enhancement, motion detection and alarm notification, image stabilization, image cropping, filtering, image compression, gain control, integration of geo-location data, digital data storage, and dynamic changes in control module menus and operations as a function of the sensor module employed.

78. (Previously Submitted) The system of claim 77, wherein the detecting means is a sensor module selected from a group consisting of: a visual light sensor module; a forward looking infrared sensor module; a RF probe module; a nuclear energy sensor module; biological agent sensor module; a chemical sensor module; and an integrated nuclear, biological and chemical sensor module.

79. (Currently Amended) The system of claim 77, wherein the hand-held receiving means includes a control processor; an image stabilization sensor; a real-time image processing module; a video switching, decoder, encoder and format conversion module; a magnetic compass; an inclinometer; and a GPS receiver ~~a processor for processing detected threat emission data.~~

80. (Previously Submitted) The system of claim 77, wherein the base station is remotely located.

81. (Previously Submitted) The system of claim 77, wherein the communicating means is wireless.

82. (Previously Submitted) The system of claim 77, further comprising a laser range finder.

83. (Currently Amended) A method for receiving and processing at least one form of threat emission data, the method comprising:

removably attaching a sensor module, selected from a plurality of sensor modules, to a base;
detecting and receiving threat emission data through the sensor module;
processing the threat emission data, in a control module, the control module having a control processor; an image stabilization sensor; a real-time image processing module; a video switching, decoder, encoder and format conversion module; a magnetic compass; an inclinometer; and a GPS receiver the base, to quantify pre-established parameters; and
communicating the processed threat emission data from the base to a base station
wherein the processing step includes quantifying threat emission data when received.

84. (Previously Submitted) The method of claim 83, wherein the pre-established parameters are selected from a group consisting of: target identification, direction, location, and emission strength.

85. (Previously Submitted) The method of claim 83, wherein at least one form of threat emission data is provided in the form of nuclear, biological, chemical and electromagnetic threat emission data, or combinations thereof.